CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD{PRIVATE }
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. XXXX

NPDES NO. CA0081256

FOR

KRAFT FOODS, INC.
VISALIA PLANT
TULARE COUNTY

This Monitoring and Reporting Program (MRP) is issued pursuant to CWC Sections 13383 and 13267. The Discharger shall not deviate from this Program unless and until the Regional Board or Executive Officer issues a revised MRP. Any proposed changes to sampling locations must have the prior written concurrence of the Regional Board staff. After concurrence, a description of the change and Regional Board staff's written concurrence must be attached to the Discharger's copy of this Order.

Sample collection, storage, and analyses shall be performed according to 40 CFR Part 136 or other methods approved and specified by the Executive Officer of the Regional Board. All samples shall be representative of the volume and nature of the discharge or matrix of material sampled. The time, date, and location of each sample shall be recorded on the sample chain of custody form. All analyses shall be performed in accordance with the Standard Provisions, Provisions for Monitoring.

Water and waste analyses shall be performed by a laboratory approved for these analyses by the California Department of Health Services (DHS) or a laboratory waived by the Executive Officer from obtaining a certification for these analyses by the DHS. The director of the laboratory whose name appears on the certification or his or her laboratory supervisor who is directly responsible for analytical work performed shall supervise all analytical work, including appropriate quality assurance/quality control procedures in his or her laboratory, and shall sign all reports of such work submitted to the Regional Board.

EFFLUENT MONITORING

Effluent samples shall be collected downstream from the last connection through which wastes can be admitted into Discharge 001 and prior to discharge to Mill Creek. Effluent samples shall be representative of the volume and quality of the discharge.

If the discharge is intermittent rather than continuous, then on the first day of each such intermittent discharge, the Discharger shall monitor and record data for all of the constituents listed below, after which the frequencies of analysis given in the schedule shall apply for the duration of each such intermittent discharge. In no event shall the Discharger be required to monitor and record data more often than twice the frequencies listed in the schedule.

Effluent monitoring (Discharge 001) shall include at least the following:

Constituents	Units	Type of Sample	Sampling Frequency
Flow	mgd	Meter[1]	Continuous[1]
Total Residual Chlorine	mg/L	Meter[4]	Continuous[4]
pH	standard units	Grab	Monthly
Temperature	°F	Grab	Monthly
Conductivity @ 25°C	µmhos/cm	Grab	Monthly
Standard Minerals[2]	mg/L	Grab	Annually
Priority Pollutants[3]	µg/L	Grab	Twice during permit term[6]
Acute Toxicity[5]	% Survival	Grab	Once during permit term

1 Flow is to be estimated until the effective date specified in Provision E.5, after which flow shall be measured continuously.
2 Standard minerals shall include all major cations and anions and include verification that the analysis is complete (i.e., cation/anion balance).
3 Conducted in accordance with "Priority Pollutant Monitoring" requirements below.
4 Grab samples are to be collected weekly until the effective date specified in the accompanying Time Schedule Order, after which chlorine shall be monitored continuously.
5 The acute bioassays samples shall be analyzed using methods in EPA/600/4-90/027F, Fourth Edition, or later amendment with Board staff approval. Temperature and pH shall be recorded at the time of bioassay sample collection. Test species shall be fathead minnows (*Pimephales promelas*).
6 Both sampling events shall occur between 21 October 2009 and 23 April 2010.

PRIORITY POLLUTANT MONITORING

The *Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California* (known as the State Implementation Policy or SIP) states that the Regional Boards will require periodic monitoring for pollutants for which criteria or objectives apply and for which no effluent limitations have been established. Accordingly, in addition to the priority pollutant monitoring required in the Provisions of this Order, the Discharger shall conduct effluent monitoring (at Discharge 001) and receiving water monitoring (at R-1) of priority pollutants **two times between 21 October 2009 and 23 April 2010.** The list of priority pollutants and required minimum levels (MLs) is included as Attachment B. The Discharger must analyze pH and hardness at the same time as priority pollutants.

The laboratory is required to submit the Minimum Level (ML) and the Method Detection Limit (MDL) with the reported results for each constituent. The MDL should be as close as practicable to the USEPA MDL determined by the procedure found in 40 CFR Part 136. The results of analytical

determinations for the presence of chemical constituents in a sample shall use the following reporting protocols:

a. Sample results greater than or equal to the reported ML shall be reported as measured by the laboratory.
b. Sample results less than the reported ML, but greater than or equal to the laboratory's MDL, shall be reported as "Detected but Not Quantified," or DNQ. The estimated chemical concentration of the sample shall also be reported.
c. For the purposes of data collection, the laboratory shall write the estimated chemical concentration next to DNQ as well as the words "Estimated Concentration." Numerical estimates of data quality may be by percent accuracy (+ or – a percentage of the reported value), numerical ranges (low to high), or any other means considered appropriate by the laboratory.
d. Sample results that are less than the laboratory's MDL shall be reported as "Not Detected" or ND.

THREE SPECIES CHRONIC TOXICITY MONITORING

The Discharger shall conduct chronic toxicity monitoring to determine whether the effluent is contributing toxicity to the receiving stream. Since the receiving stream is ephemeral, chronic toxicity testing shall be conducted on whole effluent. Testing must be conducted as specified in the latest edition of *EPA 821-R-02-013 Short-Term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Fresh Water Organisms*. Chronic toxicity samples of the final effluent shall be collected at Discharge 001. Twenty-four hour composite samples shall be representative of the volume and quality of the discharge. Time of sample collection shall be recorded. The effluent tests must be conducted with concurrent reference toxicant tests. Monthly laboratory reference toxicant tests may be substituted upon approval. Both the reference toxicant and effluent tests must meet all test acceptability criteria as specified in the chronic test manual. If the test acceptability criteria are not achieved, then the Discharger must re-sample and re-test within 14 days. Chronic toxicity monitoring shall include the following:

Species: *Pimephales promelas, Ceriodaphnia dubia, and Selenastrum capricornutum*

Frequency: Annually in April

Dilution Series:

	Dilutions (%)					Controls	
	100	75	50	25	12.5	Creek Water	Lab Water
% Effluent	100	75	50	25	12.5	0	0
% Creek Water[1]	0	25	50	75	87.5	100	0
% Lab Water[1]	0	25	50	75	87.5	0	100

[1] Lab water shall be used for dilution series if Mill Creek is dry when samples are collected.

RECEIVING WATER MONITORING

All receiving water samples shall be grab samples collected during the waste discharge to Mill Creek except for flow, which shall be an estimate. Receiving water monitoring downstream of the discharge to Mill Creek is required even when there is no flow in Mill Creek other than flow from the Discharger's effluent. The monitoring report shall clearly indicate when upstream receiving water monitoring has not been conducted because there is no water other than the discharge in Mill Creek. Receiving water monitoring shall include at least the following:

Station	Description
R-l	On Mill Creek, 100 feet upstream from the point of discharge
R-2	On Mill Creek, 200-300 feet downstream from the point of discharge

Constituents	**Units**	**Station**	**Sampling Frequency**
Flow	cfs	R-1	Monthly
Dissolved Oxygen	mg/L	R-l, R-2	Monthly
pH	standard units	R-l, R-2	Monthly
Turbidity	NTU	R-l, R-2	Monthly
Temperature	°F	R-l, R-2	Monthly
Conductivity @ 25°C	µmhos/cm	R-1, R-2	Monthly
Total Residual Chlorine	mg/L	R-1, R-2	Monthly
Priority Pollutants[1]	µg/L	R-1	Twice during permit term[2]

[1] Conducted in accordance with "Priority Pollutant Monitoring" requirements above.
[2] Both sampling events shall occur between 21 October 2009 and 23 April 2010.

In conducting the receiving water sampling, a log shall be kept of the receiving water conditions throughout the reach bounded by Stations R-l and R-2. Attention shall be given to the presence or absence of:

a. Floating or suspended matter
b. Discoloration
c. Bottom deposits
d. Aquatic life
e. Visible films, sheens or coatings
f. Fungi, slimes, or objectionable growths
g. Potential nuisance conditions

Notes on receiving water conditions shall be summarized in the monitoring report.

WATER SUPPLY MONITORING

A sampling station shall be established where a representative sample of the water supply can be obtained from each water supply source. Water supply monitoring shall include at least the following:

Constituents	Units	Type of Sample	Sampling Frequency
Conductivity @ 25°C[1]	µmhos/cm	Grab	Annually
Standard Minerals[2]	mg/L	Grab	Annually

[1] Conductivity shall be reported as a weighted average of specific conductance of all sources and the monitoring report shall include copies of supporting calculations.

[2] Standard minerals shall include all major cations and anions and include verification that the analysis is complete (i.e., cation/anion balance).

REPORTING

Monitoring results shall be submitted to the Regional Board by the **first day** of the second month following sample collection. Annual monitoring results shall be submitted by the **first day of the second month following each calendar year respectively.**

In reporting the monitoring data, the Discharger shall arrange the data in tabular form so that the data, the constituents, and the concentrations are readily discernible. The data shall be summarized in such a manner that indicates clearly whether the discharge complies with waste discharge requirements.

If there is no discharge, the Discharger shall submit reports stating such at the frequencies described above (i.e., monthly, quarterly, etc.). The reports shall indicate when discharge ceased and when discharge is anticipated to resume.

If the Discharger monitors any pollutant at the locations designated herein more frequently than is required by this Order, the results of such monitoring shall be included in the calculation and reporting of the values required in the Discharge Monitoring Report Form. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

By **1 February** of each year, the Discharger shall submit a written report to the Executive Officer containing the following:

a. The names and general responsibilities of all persons employed at the facility with responsibilities related to the discharge of waste under NPDES Permit CA0081256 (Standard Provision A.5).

b. The names and telephone numbers of persons to contact regarding the facility for emergency and routine situations.

c. A statement certifying when the flow meter and other monitoring instruments and devices were last calibrated, including identification of who performed the calibration (Standard Provision C.6).

The Discharger may also be requested to submit an annual report to the Regional Board with both tabular and graphical summaries of the monitoring data obtained during the previous year. Any such request shall be made in writing. The report shall discuss the compliance record. If violations have occurred, the report shall also discuss the corrective actions taken and planned to bring the discharge into full compliance with the waste discharge requirements.

All reports submitted in response to this Order shall comply with the signatory requirements of Standard Provision D.6.

The Discharger shall implement the above monitoring program on the effective date of this Order.

Ordered by: _____
THOMAS R. PINKOS, Executive Officer

_____
(Date)

MSS:fmc: 9/26/05